

Quality Heat Exchangers



100% Stainless Steel – GPLB
the new FUNKE brazed Plate Heat Exchangers

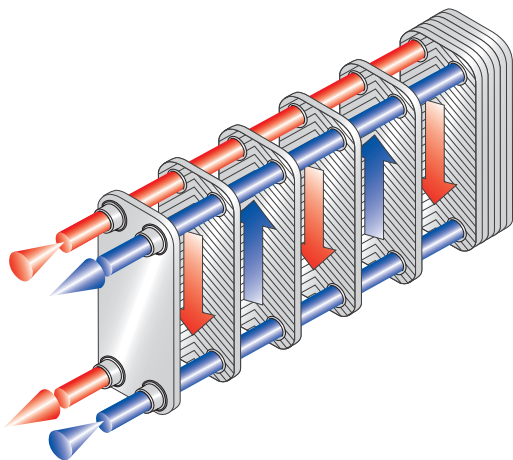
The new GPLB complete our yet existing wide range of brazed plate heat exchangers (PHE). The devices are made of 100% stainless steel. Along with the copper and nickel brazed devices the GPLB distinguish themselves through exceptional quality, superior thermodynamic performance and long-life cycle.

Applications for GPLB are manifold, they can even be used with highly corrosive media or heat-transfer oil in special applications e.g. in chemical plants or laboratories.

Main field of application is HVACR (heating, ventilation, air conditioning and refrigeration). The brazed PHE guarantee maintenance-free operation as system separation in cycles such as distant heating, solar engineering and heat pumps as well as in floor heating or domestic water heating.



These stainless steel brazed plate heat exchangers are suitable for drinking water. The special state of the art brazing method of our GPLB prevents from undesired reactions to copper or nickel ions dissolved in the water, thus limiting the contents of these non-ferrous-metals in drinking water.



Dimensions GPLB

Model	Max. number of plates	Heat exchange surface area	Content / volume primary	Content / volume secondary	Max. volume flow
		(m ²)	(ltr.)	(ltr.)	(m ³ /h)
GPLB 2	50	0.80	0.88	1.10	15
GPLB 25	50	1.68	1.80	1.90	15
GPLB 4	50	0.78	0.90	0.95	19
GPLB 5	100	3.40	4.60	3.70	20
GPLB 6	100	5.65	5.80	5.90	20
GPLB 7	150	18.00	20.00	20.00	70

Standard Connections

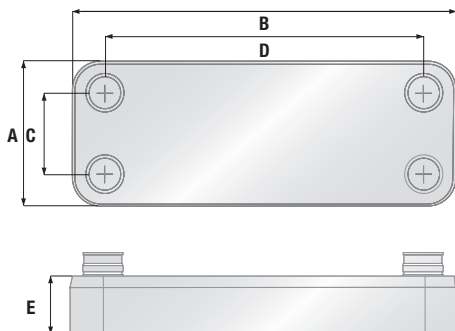
Model	GPLB 2	GPLB 25
Male threads	G1"	G1"
Female threads	G1"	G1"
Soldered connection	28 mm	28 mm
Rotalock connection	1"-14UNS	1"-14UNS
DIN-flange		

Applications

- HVACR
- Tap water
- Heat pumps
- Solar technology
- Distant heating
- Combined heating and power stations
- Chemical plants
- Refrigeration engineering

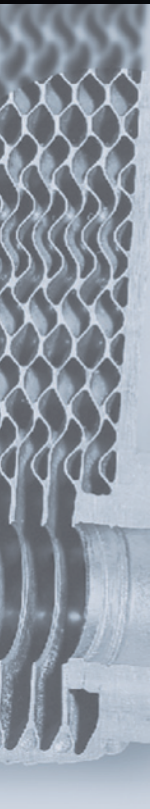
Technical Data

- 100% stainless steel
- Operating pressures max.: 25 bar / 30 bar (standard), higher pressures available on request
- Operating temperatures max.: -200°C to +350°C (standard)
- CE-certified



Weight	Dimensions				
	A	B	C	D	E
(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
5.0	90	237	41	188	133
9.4	90	459	41	408	133
4.6	125	173	70	120	133
17.0	125	335	70	278	253
28.0	125	532	70	475	253
86.0	271	532	184	444	375

GPLB 4	GPLB 5	GPLB 6	GPLB 7
G1"	G1½"	G1½"	G2"
G1"	G1½"	G1½"	G2"
35 mm	35 mm	35 mm	54 mm
1¼"12UNF	1¼"12UNF	1¼"12UNF	2 ¼"12UNF
			DN50/PN40



With partnership into the future

FUNKE is a leader in the development and production of quality heat exchangers with a heat transfer area of up to 2 400 m². The range of products comprises shell-and-tube heat exchangers, bolted and brazed plate heat exchangers as well as oil / air cooling units and electrical oil pre-heaters. Thus, as one of the few producers worldwide, FUNKE offers solutions with optimum thermodynamic designs for different industries and virtually all applications.

FUNKE focuses on customer orientation, highest quality standards, flexibility and advisory skills – important benefits a company of just the right size is able to offer.

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